



**NRL BAA Announcement
#57-15-01**

INNOVATIVE ANTI-SHIP MISSILE - ELECTRONIC WARFARE SIMULATION TECHNOLOGY

The Integrated EW Simulation (IEWs) Branch of the Naval Research Laboratory (NRL) conducts research and development in the simulation of anti-ship cruise missile (ASCM) threats that address priority requirements to meet the anti-ship missile defense EW mission.

The IEWS Branch has an ongoing requirement for proposals that address the research and development of innovative new technologies, components, and systems to support the next generation of EW simulation programs. Investigations focus on the basic areas of research into technologies relating to hardware/software simulation of future advanced missile threats to the surface fleet and EW techniques to defend against the advanced threats, as well as methodology to validate the simulators. The ultimate goal of the research is to enable future development of a combination of EW simulation, modeling, and analysis capabilities to meet the Anti-Ship Missile Defense EW mission. Of particular interest are research into innovative simulator architectures capable of multi-signal emissions, reception, signal processing and displays, and signal analysis tools for use in understanding and countering advanced anti-ship, RF guided (active radar, anti-radiation, and LPI) missile threats.

NRL will consider proposals offering short term studies (6-8 man-months) which can be used to decide if the research deserves investments or longer range studies.

Address White Papers (WP) to 5760BAA@nrl.navy.mil. Allow one month before requesting confirmation of receipt of WP, if confirmation is desired. Substantive contact should not take place before evaluation of a WP by NRL. If necessary, NRL will initiate substantive contact.